

Royal EHW194



Engineered to keep you **cool**

Liquid cooling is an innovative technique using water as a cooling medium to help keep computer processor temperatures low in data center applications. Danfoss designed Boston® Royal with this emerging technology in mind.

UL 94 V-0 rated and offering superior flexibility and kink resistance, this hose was designed to maneuver in tight spaces to simplify installation and maintenance. Offered in a variety of sizes and colors, with approved Danfoss fittings—we have made it easy to emerge into this new market.



Markets/Applications

- Data centers
- Electronic component cooling
- Telemedicine
- Cryptocurrency mining
- IT thermal management

Features

- UL 94 V-0 rated
- Exceeds ASTM E84 Class 1/A Requirements
- Fire resistant cover
- Smooth-finish cover, low CoF
- Multiple color offerings
- Flexible with torsional strain and kink resistance

Order Fulfillment

- Made to Stock

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Liquid cooling, using water as a solution, helps to eliminate the overheating of devices in data center applications



Part Number	Order Number	Colour	Hose I.D.		Hose O.D.		Operating Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
			mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	m	ft
EHW194TW-04	12026510	Blue	6.4	0.25	13.0	0.51	16	232	48	696	25	1.0	0.21	0.14	76.2	250
	12055014	Red														
	12013458	Black														
EHW194TW-06	12026512	Blue	9.5	0.37	16.0	0.63	16	232	48	696	35	1.4	0.28	0.19	76.2	250
	12055016	Red														
	12008699	Black														
EHW194-08	EHW194-08BURL	Blue	12.7	0.50	22.0	0.87	16	232	48	696	75	3.0	0.36	0.24	76.2	250
	EHW194-08RDRL	Red														
	EHW194-08BKRL	Black														
EHW194-10	EHW194-10BURL	Blue	15.9	0.63	25.2	0.99	16	232	48	696	100	4.0	0.43	0.29	76.2	250
	EHW194-10RDRL	Red														
	EHW194-10BKRL	Black														
EHW194-12	EHW194-12BURL	Blue	19.0	0.75	29.7	1.17	16	232	48	696	125	5.0	0.56	0.38	76.2	250
	EHW194-12RDRL	Red														
	EHW194-12BKRL	Black														
EHW194-16	EHW194-16BURL	Blue	25.4	1.00	36.5	1.44	16	232	48	696	150	6.0	0.75	0.50	76.2	250
	EHW194-16RDRL	Red														
	EHW194-16BKRL	Black														

Construction

Tube Peroxide-cured, zinc free, synthetic EPDM rubber

Reinforcement

2 -ply textile

Cover Fire retardant, Peroxide-cure Synthetic EPDM Rubber

Colors Black (BK), Blue (BU), Red (RD)

100% Sulfur free construction

Max/Min Intermittent Operating Temperature

-40°C to +140°C (-40°F to +284°F)

Certifications

UL 94 V-0

Exceeds ASTM E84 Class 1/A Requirements

Packaging

76.2m (250 ft.) Reel

Qualified connections

- Danfoss 1G crimp fittings
- Danfoss 100B socketless fittings
- Danfoss Hansen UQD
- Danfoss Hansen FD83

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Part Number	Order Number	Colour	Hose I.D.		Hose O.D.		Operating Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
			mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	m	ft
EHW194-20	11354729	Blue*	32.0	1.25	44	1.73	10.5	150	42	600	80	3.2	1.05	0.71	61	200
	11354843	Red*														
EHW194-24	11354800	Blue*	38.0	1.50	50	1.97	10.5	150	42	600	90	3.5	1.21	0.81	61	200
	11354845	Red*														
EHW194-32	11354938	Blue*	50.8	2.00	64	2.52	10.5	150	42	600	120	4.7	1.75	1.18	61	200
	11354972	Red*														

* Hose colour is black with layline colour as indicated

Construction

Tube Peroxide-cured, zinc free, synthetic EPDM rubber

Reinforcement

2 -ply textile
1 helical wire

Cover

Fire retardant, Peroxide-cure Synthetic EPDM Rubber

100% Sulfur free construction

Colors Blue, Red (Layline)

Max/Min Intermittent Operating Temperature

-40°C to +140°C
(-40°F to +284°F)

Certifications

UL 94 V-0 rated

Packaging

61m (200ft.) coil

Qualified connections

- Danfoss 1G crimp fittings
- Danfoss Hansen FD83 hose barb couplings
- Danfoss EHW194 hose barb fittings

ENGINEERING
TOMORROW



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